

REMARKS

Claims 1-3, 5, 6, 10, 14-20, 24-26, 28, 30-42, 44-47 and 49 are pending in the present application. Claims 1, 6, 14, 24-25, 31-33, 40-41 and 46-47 are independent claims.

I. 35 U.S.C. § 102(e) REJECTION

Claims 1-3, 14-19, 24-26, 30-38, 40-42, 45-47 and 49 have been rejected under 35 U.S.C § 102(e) as being anticipated by *Kaloi et al.* (U.S. Patent No. 5,511,000). This rejection, insofar as it pertains to the presently pending claims, is respectfully traversed.

The Examiner alleges that Applicant's claimed invention as recited in independent claims 1, 14, 24-25, 31-33, 40-41 and 46-47 is anticipated by *Kaloi et al.*, since the claims fail to claim that "the recording [unit] when detached from the reproduction unit, can't reproduce and also when the reproduction unit is detached from the recording unit, it can't record," as set forth on page 10, last paragraph - line 3 of page 11 of the final Office Action dated March 26, 2002.

Without acquiescing to any of the Examiner's allegations made in the Office Action(s), to expedite prosecution, independent claims 1, 6, 14, 24, 31-33, 40-41 and 46-47 have been amended to recite that the recording unit (or apparatus) when detached from the reproducing unit (or apparatus), cannot

reproduce data from the separable storage unit (or the separable memory device), and that the reproducing unit when detached from the recording unit, cannot record data from the recording unit. Independent claim 25 has been amended to recite that the portable reproducing apparatus when detached from the recording apparatus, cannot record data from the recording apparatus.

Among other features recited in the claims, these newly added features of the independent claims are neither taught nor suggested by *Kaloi et al.* as pointed out by the Examiner. For example, as shown in Fig. 1 of *Kaloi et al.*, SSRPD1 (recording unit) when detached from SSRPD2 or CID (reproducing unit as equated by the Examiner), can reproduce data from a portable storage device PSD. Similarly, SSRPD2 or CID (reproducing unit) when detached from SSRPD1 (recording unit), can record data from SSRPD1. For instance, SSRPD2 can download data from SSRPD1 and record this data onto PSD inserted into SSRPD2.

Accordingly, the invention as recited in independent claims 1, 6, 14, 24-25, 31-33, 40-41 and 46-47 and their dependent claims is patentable over *Kaloi et al.*, and reconsideration and withdrawal of the rejection based on these reasons is respectfully requested.

II. 35 U.S.C. 103 REJECTION

Claim 3 has been rejected under 35 U.S.C § 103(a) as being unpatentable over *Kaloi et al.* (5,511,000). This rejection, insofar as it pertains to the presently pending claims, is respectfully traversed.

As discussed above, *Kaloi et al.* fails to teach or suggest, *inter alia*:

said recording unit when detached from said reproducing unit, cannot reproduce data from said separable storage unit, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit

as recited in independent claim 1 from which claim 3 depends. Further, there is no motivation to modify *Kaloi et al.* to render the claimed invention obvious because none of the prior art of record teaches or suggests these features.

Therefore, the invention as recited in independent claim 1 and its dependent claim 3 (due to its dependency) is patentable over *Kaloi et al.*, and reconsideration and withdrawal of the rejection based on these reasons is respectfully requested.

Claim 5 has been rejected under 35 U.S.C § 103(a) as being unpatentable over *Kaloi et al.* (U.S. Patent No. 5,511,000) in view of *Stockum et al.* (U.S. Patent No. 5,301,240). This rejection, insofar as it pertains to the presently pending claims, is respectfully traversed.

As discussed above, *Kaloi et al.* fails to teach or suggest, *inter alia*:

said recording unit when detached from said reproducing unit, cannot reproduce data from said separable storage unit, and said reproducing unit

when detached from said recording unit, cannot record
data from said recording unit

as recited in independent claim 1 from which claim 5 depends. Further, *Stockum et al.* does not overcome these deficiencies of *Kaloi et al.* since *Stockum et al.* is relied on for the specific structure of a separate storage unit. Therefore, even if the references are combinable, the combination of references as applied by the Examiner does not teach or render obvious the claimed invention, and reconsideration and withdrawal of the rejection based on these reasons is respectfully requested.

Claims 6, 10, 20, 28, 39 and 44 have been rejected under 35 U.S.C § 103(a) as being unpatentable over *Kaloi et al.*, as applied to claim 1 above, and further in view of *Young et al.* (U.S. Patent No. 5,479,266). This rejection, insofar as it pertains to the presently pending claims, is respectfully requested.

As discussed above, *Kaloi et al.* fails to teach or suggest, *inter alia*, the feature wherein the recording unit when detached from the reproducing unit, cannot reproduce data from the separable storage unit (or memory device), and/or the reproducing unit when detached from the recording unit, cannot record data from the recording unit. Further, *Young et al.* does not overcome these deficiencies of *Kaloi et al.* since *Young et al.* is relied on for teaching a table of content (TOC) structure.

Therefore, even if the references are combinable, the invention as recited in independent claims 6, 14, 25, 33 and 41 and their dependent claims 10, 20,

28, 39 and 44 (due to their dependency) is patentable over the combination of references as applied by the Examiner, and reconsideration and withdrawal of the rejection based on these reasons is respectfully requested.

III. TELEPHONIC INTERVIEW REQUESTED

Applicant hereby officially requests a telephonic interview with the Examiner to discuss the rejections, if the Examiner believes that the present Amendment does not place the application in condition for allowance. Please contact Applicant's representative, Ms. Esther Chong, at (703) 205-8074 to schedule the interview.

CONCLUSION

For the foregoing reasons and in view of the above clarifying amendments, Applicant respectfully requests the Examiner to reconsider and withdraw all of the objections and rejections of record, and earnestly solicits an early issuance of a Notice of Allowance.

The Examiner is respectfully requested to enter this Amendment After Final, in that it raises no new issues but merely places the claims in a form more clearly patentable over the references of record. In the alternative, the Examiner is respectfully requested to enter this Amendment After Final in that it reduces the issues for appeal.

Should there be any outstanding matters which need to be resolved in the present application, the Examiner is respectfully requested to contact Esther H. Chong (Registration No. 40,953) at the telephone number of the undersigned below, to conduct an interview in an effort to expedite prosecution in connection with the present application.

Attached hereto is a marked-up version of the changes made to the application by this Amendment.

If necessary, the Commissioner is hereby authorized in this, concurrent, and further replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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Enclosures: Version with Markings to Show Changes Made

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims

The claims have been amended as follows:

1. (Three times Amended) A recording and reproduction apparatus for recording and reproducing at least one of audio and video signals, comprising:

a data recording unit including a data storage unit and for recording at least one of audio and video signals;

a data reproducing unit being detachable from said data recording unit and for reproducing at least one of audio and video signals; and

a separable storage unit for storing data from said data recording unit and outputting stored data through said data reproducing unit;

wherein said data reproducing unit includes,

a keyed input unit for selecting a mode according to the function of a keyed input;

a controller for decoding an input signal according to the output of said keyed input unit; and

a data display for displaying data searched according to the output of said controller,

wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable storage unit, and said reproducing

unit when detached from said recording unit, cannot record data from said recording unit.

6. (Three Times Amended) A recording and reproduction method for recording and reproducing at least one of audio and video signals comprising the steps of:

reading a key signal when the key signal is input;

processing data when the input key signal is a record signal and storing the result in a separable storage unit associated with a reproducing unit being detachable from a recording unit;

reproducing and outputting data stored in the [said] separable storage unit when the input key signal is a reproduction signal; and

reading and displaying information associated with the data stored in the separable storage unit when the input key signal is a search signal;

wherein said processing step includes the steps of,

Analog/Digital converting input data; and

encoding said Analog/Digital converted data; and

wherein the recording unit when detached from the reproducing unit, cannot reproduce data from the separable storage unit, and the reproducing unit when detached from the recording unit, cannot record data from the recording unit.

14. (Twice Amended) A system for transferring at least one of audio data and video data to a portable reproducing unit, comprising:

a data storage unit of a recording unit being detachable from the portable reproducing unit, for storing compressed data, said compressed data being at least one of audio and video data;

a control system selecting compressed data stored in said data storage unit, and controlling transfer of said selected compressed data to a separable memory device associated with the [said] portable reproducing unit; and

an interface unit transferring said selected compressed data from said data storage unit to said separable memory device,

wherein the recording unit when detached from the portable reproducing unit, cannot reproduce data from said separable memory device, and the portable reproducing unit when detached from the recording unit, cannot record data from the recording unit.

24. (Twice Amended) A system for transferring at least one of audio data and video data to a portable reproducing unit, comprising:

a data storage unit of a recording unit being detachable from the portable reproducing unit, for storing compressed data, said compressed data being at least one of audio data and video data;

a selector generating data select signals indicating which of said compressed data in said data storage unit to select;

a system controller generating control signals according to said data select signals; and

a memory controller sending read addresses to said data storage unit based on said control signals so that said selected data is output from said data storage unit to a separable memory device associated with the [said] portable reproducing unit,

wherein the recording unit when detached from the portable reproducing unit, cannot reproduce data from the separable memory device, and the portable reproducing unit when detached from the recording unit, cannot record data from the recording unit.

25. (Three Times Amended) A portable reproducing apparatus for reproducing at least one of audio data and video data, comprising:

a key input unit for receiving user input designating one of a plurality of operation modes;

a data display for displaying information relating to at least one of said operation modes;

an interface, integrated into said portable reproducing apparatus being detachable from a recording apparatus;

a separable storage unit for storing compressed data downloaded through the interface, said separable storage unit being a storage unit other

than a disk medium or a tape medium, and said compressed data being at least one of audio data and video data;

a processing system accessing and decompressing[,] said compressed data stored in said separable storage unit based on said user input; and

an output unit outputting said decompressed data,

wherein said portable reproducing apparatus when detached from the recording apparatus, cannot record data from the recording apparatus.

31. (Twice Amended) A recording and reproducing apparatus for recording and reproducing at least one of audio data and video data, comprising:

a separable memory device associated with a reproducing unit;

a data storage unit of a recording unit being detachable from said reproducing unit, for storing compressed data;

a control system selecting compressed data stored in said storage unit, and controlling transfer of said selected compressed data to said separable memory device;

a key input unit for receiving user input designating one of a plurality of operation modes;

a data display for displaying information relating to at least one of said operation modes;

a processing system accessing and decompressing compressed data stored in said separable memory device based on said user input; and

an output unit outputting said decompressed data,

wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable memory device, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit.

32. (Twice Amended) A recording and reproducing apparatus for recording and reproducing at least one of audio data and video data, comprising:

a separable memory device associated with a reproducing unit;

a data storage unit of a recording unit being detachable from said reproducing unit, for storing compressed data;

a selector generating data select signals indicating which of said compressed data in said data storage unit to select;

a system controller generating control signals according to said data select signals;

a memory controller sending read addresses to said data storage unit based on said control signals so that said selected data is transferred from said data storage unit to said separable memory device;

an input unit for receiving user input designating one of a plurality of operation modes;

a key input unit for receiving user input designating one of a plurality of operation modes;

a data display for displaying information relating to at least one of said operation modes; and

a processing system accessing and decompressing compressed data stored in said separable memory device based on said user input,

wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable memory device, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit.

33. (Twice Amended) A method for transferring at least one of audio data and video data to a portable reproducing unit, comprising:

storing compressed data in a data storage unit of a recording unit being detachable from said portable reproducing unit, said compressed data is at least one of audio and video data;

selecting compressed data stored in said data storage unit; and

transferring said selected compressed data to a separable memory device associated with said portable reproducing unit, said separable memory device being a memory device other than a disk medium or a tape medium,

wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable memory device, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit.

40. (Twice Amended) A method for transferring at least one of audio data and video data to a portable reproducing unit, comprising:

storing compressed data in a data storage unit of a recording unit being detachable from said portable reproducing unit, said compressed data is at least one of audio and video data;

selecting compressed data stored in said data storage unit;

controlling transfer of said selected compressed data to a separable memory device associated with said portable reproducing unit;

generating data select signals indicating which of said compressed data in said data storage unit to select;

generating control signals according to said data select signals; and

sending read addressed to said data storage unit based on said control signals so that said selected data is output from said data storage unit,

wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable memory device, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit.

41. (Three Times Amended) A method for reproducing at least one of audio data and video data in a portable reproducing unit, comprising:

receiving user input designating one of a plurality of operation modes;

displaying information relating to at least one of said operation modes;

first accessing compressed data downloaded from a data storage unit and stored in a separable memory device, said compressed data being at least one of audio data and video data; and

decompressing said accessed compressed data in said portable reproducing unit,

wherein said portable reproducing unit is detachable from a recording unit associated with the data storage unit, and

wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable memory device, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit.

46. (Twice Amended) A method for recording and reproducing at least one of audio and video data, comprising:

storing compressed data in a data storage unit of a recording unit;

selecting compressed data stored in said data storage unit;

transferring said selected compressed data to a separable memory device associated with a reproducing unit being detachable from said recording unit;
receiving user input designating one of a plurality of operation modes;
displaying information relating to at least one of said operation modes;
accessing compressed data stored in said separable memory device based on said user input; and
decompressing said accessed compressed data,
wherein said recording unit when detached from said reproducing unit, cannot reproduce data from said separable memory device, and said reproducing unit when detached from said recording unit, cannot record data from said recording unit.

47. (Twice Amended) A method for recording reproducing at least one of audio and video data, comprising:
storing compressed data in a data storage unit of a recording unit;
generating data select signals indicating which of said compressed data in said data storage unit;
generating control signals according to said data select signals;
sending read addressed to said data storage unit based on said control signals so that said selected data is transferred from said data storage unit to a separable memory device associated with a reproducing unit being detachable from said recording unit;

receiving user input designating one of a plurality of operation modes;
displaying information relating to at least one of said operation modes;
accessing compressed data stored in said separable memory device
based on said user input; and
decompressing said accessed compressed data,
wherein said recording unit when detached from said reproducing unit,
cannot reproduce data from said separable memory device, and said
reproducing unit when detached from said recording unit, cannot record data
from said recording unit.